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FOOD ENGINEERING

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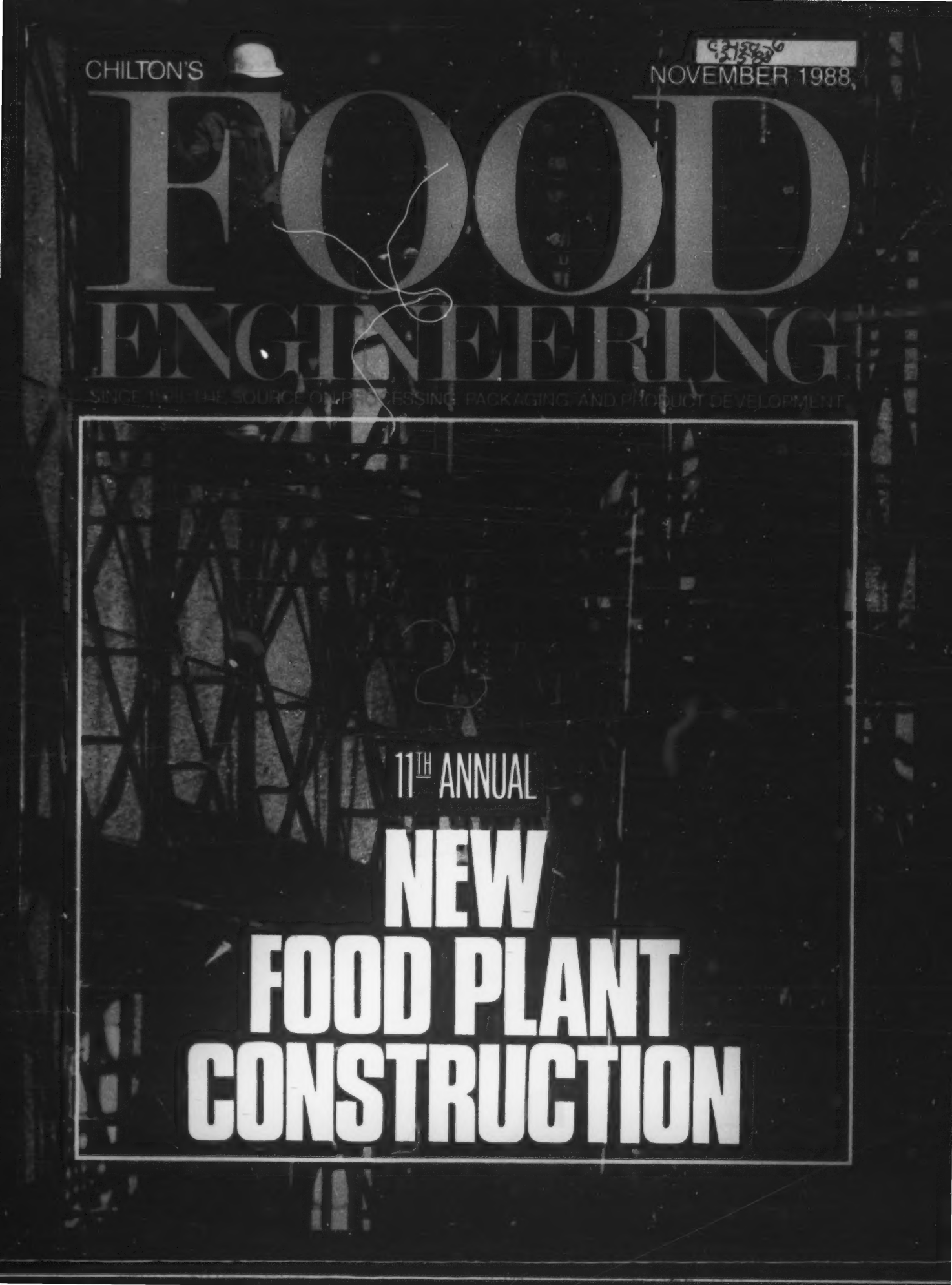

11TH ANNUAL

NEW FOOD PLANT CONSTRUCTION

FOOD ENGINEERING

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This year's new food plant survey reveals a record 369 projects – 30 more than last year.

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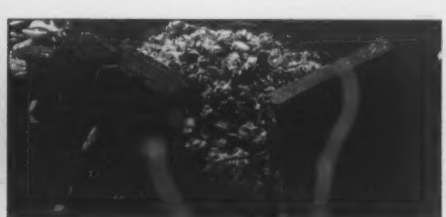

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CHILTON FOOD GROUP

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Special Emphasis

CLEANING AND SANITATION

The food and beverage industry is turning to the use of computerized maintenance management systems to make its maintenance procedures more effective.

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11th ANNUAL NEW PLANT SURVEY

New construction and major expansions continue at a record pace in spite of rising interest rates. Here's the recap of who's building what, when and where.

After the record 339 projects reported in *Food Engineering*'s 10th annual new plant survey last November, we expected the food industry construction boom to cool as the prime rate rose 2½ points over the past two years and returned to double digits (10 percent) earlier this year.

It didn't happen. "Financing for most of these projects was probably firmed-up before interest rates rose," observes one engineer at a major A/E firm.

Result: This year's new plant survey, compiled from several *Food Engineering* studies (including one for *FE* by Conway Data, Inc., Norcross, GA), reveals a record 369 projects – 30 more than last year. Of these, 187 – or 51 percent – are new or "greenfield" projects, remarkably consistent except for 1987 with earlier surveys which averaged a 50/50 ratio of new construction to major expansion/renovations. (New construction lurched up to 58 percent of the total last year.)

The survey further confirms industry trends and building trends noted last year:

• Fresh, frozen, "natural:" Of the 369 projects reported, no less than 72 – nearly 19 percent – are free-standing distribution centers (i.e., not part of a manufacturing plant project). Most of these are for refrigerated and frozen foods, confirming and continuing the trends away from canned toward frozen, and toward more "natural" fresh produce and deli entrees.

• Low-cal/low-cholesterol: The trend away from red meat and toward more poultry was confirmed over the past four years as 85 poultry plant projects were tallied in 1985-87 and 20 more were added this year. Now, seafood plants are proliferating, with catfish taking the lead. Of the 369 projects, 26 (7 percent) are seafood plants; of the 26, nine are catfish processors, confirming the boom in the catfish industry which is processing 8 million lbs. per week (*FE* August '88). But red meat is making a comeback: 27 of the projects listed are meat processing plants, mostly for value-added products.

• Fewer & bigger plants: The era of the billion-dollar food plant is here. As reported earlier *by Food Engineering* (March '88) the first known food plant project to reach the billion-dollar benchmark is the Coors Shenandoah Brewery at Elkton VA, which is being built in stages and will total about $1 billion when completed, probably in the early '90s. Now Kellogg has announced plans to build a $1.2-billion cereal plant at Memphis.

In the final column of the following tables, project status and date are coded as follows: Plng. (site selected but construction not yet underway); Const. (construction underway); Comp. (project completed); and Stup. (actual or projected startup dates of new manufacturing plants); Rpt. (date reported where status unknown).

CHARLES E. MORRIS
Midwest Editor

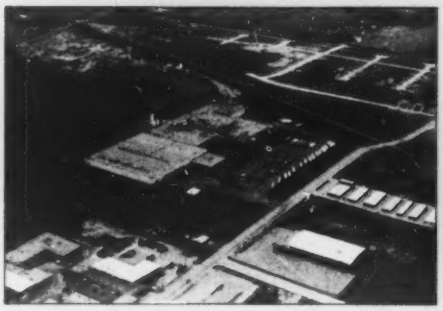
Model of the renovated Anheuser-Busch brewery adjacent to Busch Gardens in Tampa, FL, as it will appear when the $45-million expansion renovation project is completed early in 1990. (Photo: Lockwood Greene)

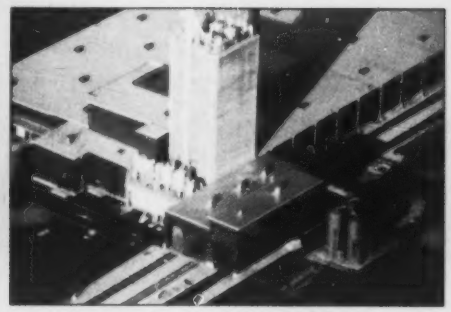
NEW FOOD PLANTS

Company	Plant Location	Primary Product	Type Project	M Sq. Ft.	Est. Cost ($ millions)	Employees	Architects/ Engineers	Status & Date
A								
AA Farm Fresh Eggs	Elkton, MI	Eggs	New	–	54	–	–	Plng. 9/87
Adam Baum Egg Farms	Varick, NY	Eggs	Exp.	331	14.7	80	–	Plng. 5/88
Adolph Coors	Elkton, VA	Beer	Exp.	66	20	–	Sverdrup	Comp. '88
Advance Meat Co	Enid, OK	Proc. meats	Exp.	–	–	150	–	Comp. 7/88
A.E. Staley	Decatur, IL	Corn oil	Exp.	2	14	–	C.W. Notsinger	Comp. 7/87
A.E. Staley	Louden, TN	HFCS	Exp.	–	–	–	–	Rpt. 8/88
Agri-Development	Richfield, UT	Proc. veg.	New	–	10.5	125	–	Plng. 1/88
Albertson's	Brea, CA	Groc. dist.	Exp.	346	11	35	A. Epstein & Sons	Comp. 5/89
Albertson's	Roseville, CA	Groc. dist.	New	275	16.3	40	A. Epstein & Sons	Stup. 10/89
Albertson's	Boise, ID	Sundries	Exp.	54	1.6	8	A. Epstein & Sons	Comp. 2/88
Albertson's	Fort Worth, TX	Groc. dist.	New	730	35	55	A. Epstein & Sons	Stup. 11/89
Albertson's	Gresham, OR	Groc. dist.	New	550	25	25	A. Epstein & Sons	Stup. 10/88
Albertson's	Salt Lake, UT	Food dist.	Exp.	70	5	10	A. Epstein & Sons	Comp. 11/88
Ale-8-One-Bottling	Winchester, KY	Soft drinks	Exp.	40	1.4	–	–	Plng. 11/87
Allen Corp.	Indianola, MS	Catfish proc.	Exp.	–	1	75	–	Rpt. 11/87
Americana Foods	Dallas, TX	Yogurt, dairy	Exp.	75	4.5	–	Patterson Ent.	Comp. 5/88
American Food Service	San Bernardino, CA	Prep. foods	Exp.	–	–	–	–	Plng. 2/88
American Italian Pasta	Excelsior Sprgs., MO	Pasta	New	125	27	–	Younglove	Stup. 8/88
American Maize-Products	Hammond, IN	Corn starch	Exp.	35	35	600	Process Systems Inc.	Phase 1 6/89
Americold, Inc.	Fogelsville, PA	Frzn. food dist.	Exp.	102	–	–	The Stellar Group	Comp. 8/88
Anheuser-Busch	Forest Park, GA	Bakery prod.	Exp.	54	–	–	Webber/Smith Assoc.	Comp. Fall '88
Anheuser-Busch	Ft. Collins, CO	Beer	New	780	300	550	MK-Ferguson	Stup. 3/89
Anheuser-Busch	Tampa, FL	Beer	Exp.	47	45	49	Lockwood Greene MK-Ferguson	Stup. 3/90
Anheuser-Busch	Cartersville, GA	Beer	New	860	250	500	MK-Ferguson	Const. 9/91
Anheuser-Busch	St. Louis, MO	Beer	Exp.	–	259	–	MK-Ferguson	Continuing
Anheuser-Busch	Newark, NJ	Beer	Exp.	–	–	–	MK-Ferguson	Comp. '91
Anheuser-Busch	Houston, TX	Beer	Exp.	–	100	115	–	Comp. 12/87
Assoc. Milk Producers	Stephensville, TX	Cheese	New	90	–	–	Webber/Smith Assoc.	Stup. 3/89
Atlantic Cold Storage	Miami, FL	Frzn. food dist.	Renov.	–	–	–	The Stellar Group	Comp. 8/88
B								
Bake-Line	Des Plaines, IL	Whse./dist.	Exp.	–	1.2	15	A. Epstein & Sons	Comp. 12/87
Balanced Energy	Clinton, IA	Feed	New	–	5	30	–	Comp. 11/87
Banquet Foods	Macon, MO	Frzn. meat products	Exp.	–	–	98	–	Plng. 9/87
Barber Dairies	Birmingham, AL	Ice Cream	Exp.	2	–	–	Webber/Smith Assoc.	Comp. 6/88
Beef Specialists/Iowa	Hartley, IA	Beef Proc.	Exp.	25	2	100	–	Comp. 12/87
Ben E. Keith Beers	Ft. Worth, TX	Beer dist.	New	210	8	35	–	Plng. 11/87
Big Bear	Ohio	Produce dist.	Renov.	80	–	–	Hixson	Comp. '88
Blue Channel Farms	Tippo, MS	Catfish proc.	New	–	1.4	105	–	Plng. 11/87

NEW FOOD PLANTS

Right: Ocean Spray cranberry juice plant at Kenosha, WI underwent a $3 million expansion completed in May. Far right: $10 million expansion of Hills Pet Products plant at Bowling Green, KY was completed earlier this year. (Photos: Sverdrup Corp.)





Company	Plant Location	Primary Product	Type Project	M Sq. Ft.	Est. Cost ($ millions)	Employees	Architects/ Engineers	Status & Date
Borden	Menands, NY	Milk	Exp.	7	–	–	Webber/Smith Assoc.	Comp. 5/88
Borden/Superior Dairy	Austin, TX	Milk	New	50	–	–	Hixson	Stup. '88
Bridgeford Foods	Chicago, IL	Dry sausage	Renov.	72	0.15	6	A. Epstein & Sons	Comp. 4/88
Broughton Foods	Charleston, WV	Dairy prod.	Exp.	-	1.5	10	–	Comp. 12/87
B&R Pet Supply	Santa Clara, CA	Pet food dist.	New	–	–	–	–	Plng. 5/88
Bunker Hill Foods	Bedford County, VA	Canned beef	Exp.	–	–	75	–	Rpt. 7/88
Burgess Wholesale	London, ON	Food dist.	New	50	–	35	–	Plng. 12/87
Burkhardt Distribution	St. Augustine, FL	Bev. dist.	New	35	1.3	–	Patterson Ent.	Comp. 11/88
Burris Foods	Federalsburg, MD	Frzn. food dist.	Exp.	65	–	–	The Stellar Group	Comp. 8/88
Byrne Dairy	Syracuse, NY	Dairy prod.	Exp.	–	6	–	–	Const. 5/88
		C						
Cain's Coffee	Oklahoma City, OK	Coffee, tea	New	–	2	–	–	Rpt. 8/87
Cajoleben Corp.	Riverside Cty, CA	Proc. foods	Exp.	–	–	–	–	Plng. 2/88
Cajun Coast	Abbeville, LA	Seafood	New	–	5.5	1000	–	Const. 11/87
Cake Stylists	Maspeth, NY	Bakery prod.	Exp.	7	1.5	15	–	Plng. 5/88
Caldwell Co.	Windom, MN	Proc. beef	Exp.	–	1.7	23	–	Comp. 12/87
Cal-Ida	Gooding, ID	Proc. potatoes	New	80	–	300	–	Plng. 8/87
Callaway Farms	Crawfordville, GA	Turkey proc.	New	–	–	300	–	Plng. 7/88
Cal-Mine Foods	Edwards, MS	Eggs	New	–	7	100	–	Rpt. 11/87
Canada Dry	Orlando, FL	Bev. dist.	New	30	–	125	–	Plng. 5/88
Canadian Harvest USA	Cambridge, MN	Oat fiber	New	–	–	–	–	Stup. 12/88
Cargill	Devore, CA	Flour	New	–	–	35	Youngclove	Stup. mid-'89
Cargill	Gainesville, GA	Hydrog. soybean oil	Exp.	–	–	–	–	Comp. 6/89
Cargill	Sidney, OH	Soybean oil	New	–	–	–	–	Stup. 6/89
Carnation	Bakersfield, CA	Ice cream	New	220	62	200	A. Epstein & Sons	Stup. 9/88
Carnation	Hamilton, NJ	Food dist.	New	413	20	53	–	Plng. 4/88
Carnation	Garland, TX	Food dist.	New	250	9	50	–	Const. 12/87
Carnation	Danville, VA	Fresh pasta	New	120	–	200	Webber/Smith Assoc.	Stup. sp/88
Carolina's Pride Seafood	Plymouth, NC	Proc. seafood	New	10	–	75	–	Plng. 11/87
Carrington Foods	Mobile, AL	Seafood	New	25	1	–	–	Plng. 11/87
Central Soya	Bellevue, OH	Soy proc.	New	26	21	20	–	Plng. 4/88
Central Soya	Chattanooga, TN	Canola oil	Exp.	–	–	–	–	Comp. 6/89
Central Valley Dairy	Tulare, CA	Cheese	New	172	28	125	–	Stup. 7/88
Chef Pierre	Forest, MS	Frzn. pies	Exp.	–	–	150	–	Rpt. 11/87

NEW FOOD PLANTS

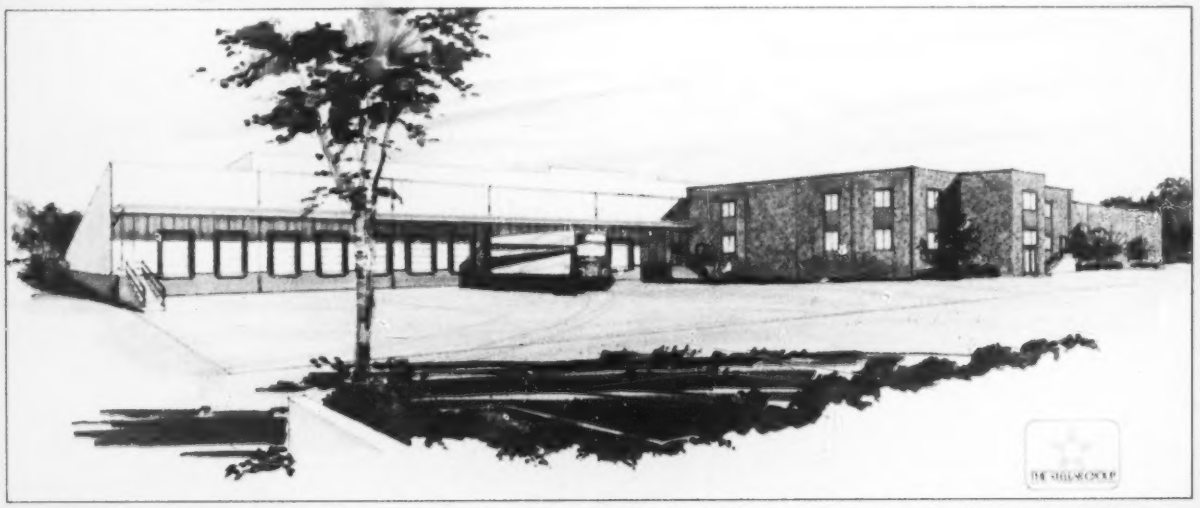
Company	Plant Location	Primary Product	Type Project	M Sq. Ft.	Est. Cost ($ millions)	Employees	Architects/ Engineers	Status & Date
Clearwater Lobster	Arichat, NS	Lobsters	New	58	5.2	–	–	Const. 11/87
Coca-Cola	Solano County, CA	Beverages	New	–	–	–	–	Plng. 5/88
Coca-Cola	Richmond, VA	Soft drinks	New	300	15	75	–	Plng. 7/88
Coca-Cola Bottling	McAllen, TX	Soft drinks	Exp.	30	–	–	–	Plng. 12/87
Coca-Cola Enterprises	Enrico County, VA	Soft drinks	New	–	–	75	–	Rpt. 7/88
Colombo Baking	Alameda County, CA	Bakery dist.	Exp.	–	–	–	–	Plng. 2/88
Commercial Cold Storage	Atlanta, GA	Frzn. food dist.	Exp.	–	–	–	The Stellar Group	Comp. 8/88
ConAgra	S. Sioux City, IA	Oat proc.	New	–	12	35	Younglove	Stup. mid-'89
ConAgra	Crozet, VA	Frzn. foods	Renov.	–	–	–	The Stellar Group	Comp. 6/88
Contadina	Hanford, CA	Tomato prod.	Exp.	–	–	25	A. Epstein & Sons	Comp. 7/88
Controlled Atmosphere Pkg.	Prentiss, MS	Meat proc.	New	–	0.5	62	–	Plng. 5/88
Cook Family Foods	Lincoln, NE	Ham products	Exp.	–	11	190	–	Plng. 4/88
Cookies Unlimited	Brentwood, NY	Cookies	Exp.	15	1.3	53	–	Plng. 5/88
Cooper Farms	Celina, OH	Turkey proc.	New	–	–	250	–	Plng. 4/88
Cornland Beef Industries	Lexington, NE	Cattle proc.	Exp.	–	0.7	105	–	Plng. 7/87
Country Fresh Catch	Moberly, MO	Catfish proc.	New	60	7	300	–	Const. 9/87
Countrymark	Lima, OH	Feed	New	–	3	25	–	Const. 8/88
Country Skillet Catfish	Isola, MS	Catfish proc.	Exp.	–	5.5	250	–	Rpt. 11/87
County Beverage	Lee's Summitt, MO	Bev. dist.	Exp.	–	5	70	–	Rpt. 7/88
CPC International	Stockton, CA	HFCS	Renov.	–	–	–	Process Systems Inc.	–
CPC International	Argo, IL	HFCS	Renov.	–	–	–	Fluor Daniel	Continuing

Artist's rendition of new $62 million, 220,000 sq.-ft. Carnation Co. ice cream plant at Bakersfield, CA, which started up in September. (Photo: A. Epstein & Sons)

CPC International	Asheboro, NC	Soups, sauces	New	140	–	60	Fluor Daniel	Stup. 8/88
Creative Contract Pkg.	Aurora, IL	Dry foods	New	70	–	–	–	Plng. 11/87
Crompton & Knowles Ingredient Tech. Div.	Mahwah, NJ	Ingredients R&D, pilot	New	118	–	150	–	Stup. 1/89
Crossroads Canning	Cuero, TX	Canned bev.	Exp.	7	1.2	5	–	Plng. 12/87
C&S Wholesale Grocery	Brattleboro, VT	Groc. dist.	Exp.	93	6	50	St. Onge, Ruff	Comp. 10/88
Curtis Packing	Tifton, GA	Meat dist.	Exp.	–	–	–	The Stellar Group	Comp. 2/88

NEW FOOD PLANTS

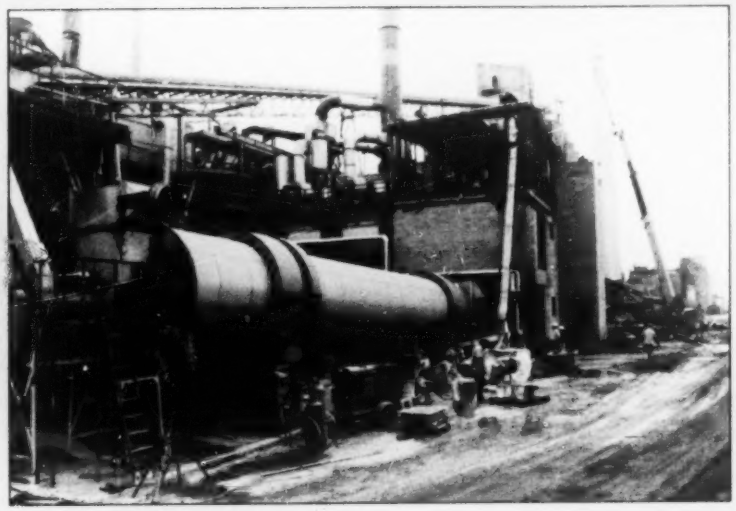
Company	Plant Location	Primary Product	Type Project	M Sq. Ft.	Est. Cost ($ millions)	Employees	Architects/ Engineers	Status & Date
D								
Dairymen	Greensboro, NC	Ice Cream	Exp.	10.5	–	–	Hixson	Comp. '88
Dairymen	Wilkesboro, NC	Ice Cream	Exp./Renov.	3.4	–	–	Hixson	Comp. '87
Dairymen's Coop	Tulare, CA	Cheese	New	185	12	180	–	Stup. 10/87
Dairy Products Co-op	Saskatoon, SK	Milk prod.	New	120	15	80	–	Plng. 11/87
Darling Delaware	Saskatoon, SK	Rendering	New	–	13	40	–	Plng. 7/88
Dean/Reiter Dairy	Springfield, OH	Ice cream	New	20	–	–	Hixson	Stup. '88
Decaffienated Coffee Co.	New Orleans, LA	Coffee	New	100	13	70	–	Plng. 12/87



New 117,000 sq.-ft. frozen food distribution center operated by United States Cold Storage, Inc. started up in February 1988 at Lumberton, NC. (Photo: The Stellar Group)

Delicato Vineyards	San Joaquin, CA	Wine	Exp.	–	–	–	–	Plng. 2/88
Delta Oil Mill	Jonestown, MS	Cottonseed prod.	Exp.	40	1.2	15	–	Comp. 11/87
DeRosa Foods	Omaha, NE	Pasta	Exp.	–	16	125	–	Rpt. 8/88
Doane Products	Temple, TX	Pet food	New	89	4.5	35	–	Comp. 11/87
Domaine Mumm	Napa County, CA	Wine	New	–	–	–	–	Plng. 4/88
Dona Ana Specialty Flour	Rincon, NM	Flour	New	10	2.5	20	–	Rpt. 8/88
Dreyers Grand Ice Cream	Union City, CA	Ice cream	New	60	12	–	The Austin Co.	Stup. 3/89
Dubuque Packing Co.	Norfolk, NE	Meat proc.	Exp.	–	11	450	–	Const. 11/87
Dupaco	Wichita, KS	Meat proc.	Exp.	–	–	150	–	Plng. 5/88
DuQuoin Packing Co.	DuQuoin, IL	Meat prod.	Exp.	–	0.5	60	–	Plng. 4/88
E								
Eagle Snacks	Visalia, CA	Snack Food	New	310	26	300	–	Const. 11/87
East Coast Fish & Scallop	Newport News, VA	Seafood proc.	New	–	–	35	–	Rpt. 8/88
East-West Interfoods	Radisson, NY	Frzn. Chinese	New	13	2.8	25	–	Plng. 7/87
Egg Products	Blackshear, GA	Egg proc.	New	–	–	60	–	Rpt. 12/87
Ermark	Harrisburg, PA	Liquor candy	New	–	10	100	–	Const. 8/88

NEW FOOD PLANTS



A.E. Staley boosted corn oil yields and germ recovery with new processing equipment and distributed process controls as part of a $14 million expansion completed in July 1987 at its plant in Decatur, IL. (Photo: C.W. Nofsinger Co.)

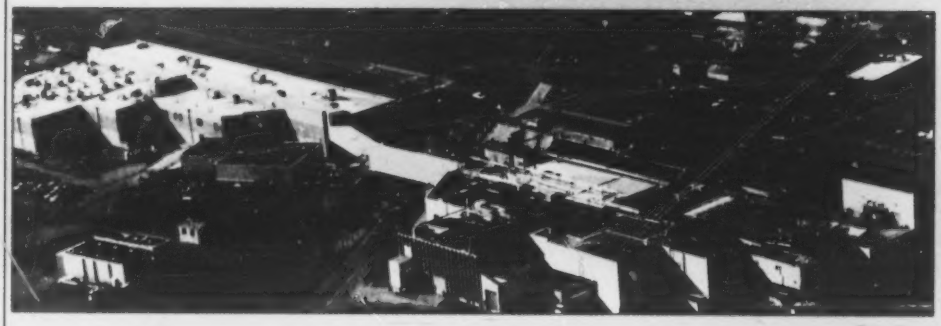
Company	Plant Location	Primary Product	Type Project	M Sq. Ft.	Est. Cost ($ millions)	Employees	Architects/ Engineers	Status & Date
F								
Fantis Foods	Montreal, QU	Feta cheese	New/renov.	5	0.5	–	Mead & Hunt	Stup. Fall '89
Fehrmead Foods	Bryan, TX	Buns	New	40	8	65	–	Comp. 11/87
First Fisheries Development	New Orleans, LA	Fish proc.	New	40	12	75	–	Plng. 2/88
Fishco	Belzoni, MS	Catfish proc.	New	–	7.5	432	–	Rpt. 11/87
Fishery Inv.	Mulgrave, NS	Clam proc.	New	–	50	–	–	Const. 11/87
Flavorland	Forest Grove, OR	Dehy. corn	Exp.	–	2	15	–	Plng. 4/88
Fleischmann's Yeast	Memphis, TN	Yeast	New	–	20	40	–	Const. 8/88
Fleming Cos.	Cecil County, MD	Dist. center	New	–	–	–	Webber/Smith Assoc.	Comp. 4/89
Fleming Foods	Fresno County, CA	Dist. center	Exp.	–	–	–	–	Plng. 2/88
FreshNes Foods	Solon, OH	Refrig. entrees	Exp.	25	12	30	Lockwood Greene	Comp. mid-'88
Frito Lay	Perry, GA	Snack foods	New	–	–	–	Fluor Daniel	Rpt. 9/88
Frito Lay	Frankfort, IL	Snack foods	Exp.	–	–	200	–	Comp. 10/87
G								
Gallo	Stanislaus County, CA	Wine dist.	Exp.	–	–	–	–	Plng. 2/88
Gallo	Portland, OR	Wine dist.	New	40	2.3	50	–	Const. 12/87
General Foods	Jonesboro, AR	Proc. foods	New	250	–	30	A. Epstein & Sons	Stup. 1/90
General Foods/Birdseye	Fulton, NY	Frzn. fruits/veg.	Exp.	40	3	150	–	Comp. 11/87
General Foods/ Maxwell Hse.	Houston, TX	Inst. coffee	Exp.	–	–	–	–	Plng. 12/87
General Mills	Covington, GA	Cereals	New	200	100	110	Lockwood Greene	Stup. late '89
Georgia Feed Products	Cuthbert, GA	Poultry feed	New	40	10	50	–	Plng. 2/88
Gilster-Mary Lee	Perryville, MO	Dist. ctr. (Cake mix)	Exp.	56	–	–	–	Const. 9/87
Glico Foods	Haines City, FL	Grapefruit proc	New	–	4	40	–	Plng. 5/88
Godchaux Henderson	Reserve, LA	Corn syrup	New	–	55	1000	–	Plng. 8/88
Golden Cheese California	Corona, CA	Cheese	Exp.	–	–	–	–	Plng. 2/88
Golden State Foods	City Industry, CA	Food dist.	New/renov.	114	–	–	The Austin Co.	Comp. 10/87

NEW FOOD PLANTS

Company	Plant Location	Primary Product	Type Project	M Sq. Ft.	Est. Cost ($ millions)	Employees	Architects/ Engineers	Status & Date
Golden Valley Foods	Clinton, MO	Proc. cheese	New	–	–	120	–	Comp. 9/87
Golden Guernsey	Madison, WI	Juices	Exp.	10	2.5	–	Mead & Hunt	Stup. Fall '89
Gold Kist	Sanford, NC	Chicken proc.	New	65	10	325	–	Rpt. 7/87
Goldsboro Milling	Goldsboro, NC	Turkey feed	New	–	7	10	Younglove	Stup. 9/88
The Granery/Walter Farms	Mexico, MO	Bird seed	New	–	–	50	–	Plng. 9/87
Grand Mesa Eggs	Grand Junction, CO	Eggs	New	111	3.4	25	–	Stup. 11/87
Greater Omaha Packing	Omaha, NE	Meat proc.	Exp.	–	3	35	–	Rpt. 8/88
Grand Union	Mt. Kisco, NY	Groc. dist.	Exp.	10	1	–	The Facility Group	Comp. 11/87
Grand Union	Newbergh, NY	Deli foods	New	–	–	–	–	Stup. 5/88
Grand Union	Newbergh, NY	Groc. dist.	Exp.	205	10.2	110	The Facility Group	Comp. 1/89
Grand Union	Waterford, NY	Groc. dist.	Exp.	137	8	–	The Facility Group	Comp. 9/88
Grand Union	Waterford, NY	Frzn. food dist.	Exp.	30	3	–	The Facility Group	Comp. 8/88
Great Lakes Chemical	Newport, TN	Sweetener	New	–	–	100	Process Systems Inc.	Stup. 6/88
Green Spring Dairy	Baltimore, MD	Milk, fruit juice	Exp.	23	–	–	JAI Engineers	Comp. 10/88
Grinsted Products	Johnson City, KS	Emulsifiers	New	65	18	–	The Austin Co.	Summer '89
Groff's	Brookshire, TX	Potato Chips	New	–	2	20	–	Comp. 12/87
		H						
Hannaford Bros.	Schodack, NY	Groc. dist.	New	409	–	200	St. Onge, Ruff	Comp. 9/89
Harris Baking	Rogers, AR	Bread, buns	Exp.	–	5.3	15	–	Plng. 2/88
Helena Cotton Oil	Helena, AR	Cottonseed prod.	Exp.	–	2	–	–	Plng. 2/88
Hernke Foods	Hilbert, WI	Sauces	Exp.	20	1.5	–	Mead & Hunt	Comp. Smr. '89
Herr Foods	Chillicothe, OH	Potato chips	Exp.	–	2.2	–	–	Plng. 4/88
Hershey Canada	Smith Falls, ON	Roasted nuts	New	70	6	65	The Austin Co.	Stup. 7/88
Hills Bros.	Suffolk, VA	Coffee	New	660	–	350	–	Const. 4/88
Hills Pet Products	Bowling Green, KY	Dry pet food	Exp.	–	10	–	Sverdrup	Comp. 5/88

New $4 million, 90,000 sq.-ft. processed meats distribution center was started up by RCS-Smithfield at Smithfield, VA last June. (Photo: Patterson Enterprises)

NEW FOOD PLANTS

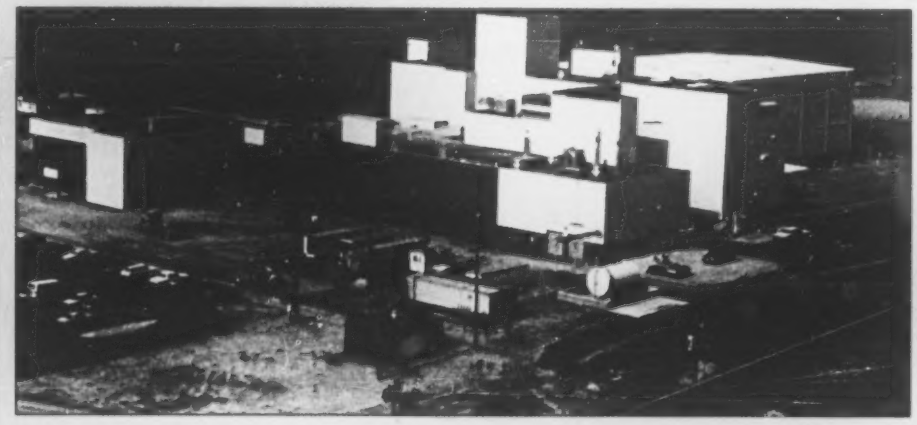


New 72,000 sq.-ft. Rocco turkey processing plant at Dayton, VA started up in January 1988. (Photo: Shillington & Associates)

Company	Plant Location	Primary Product	Type Project	M Sq. Ft.	Est. Cost ($ millions)	Employees	Architects/ Engineers	Status & Date
Hiram Walker	Fort Smith, AR	Liqueurs	Exp.	–	2	30	–	Rpt. 7/88
House of Raeford Farms	Raeford, NC	Turkey proc.	Exp.	–	–	100	–	Rpt. 11/87
Holly Farms	Crewe, VA	Chicken proc.	New	–	–	30	–	Rpt. 8/88
Hollywood Brands	Centralia, IL	Candy bars	Exp.	–	6	40	–	Rpt. 12/87
H. P. Hood	Dunedin, FL	Dairy prod.	Renov.	–	–	–	The Stellar Group	Comp. 6/88
Hudson Foods	Dexter, MO	Poultry hatch.	Exp.	–	10	100	–	Plng. 2/88
Hunt-Wesson	Stanislaus County, CA	Can tomatoes	Exp.	–	–	–	–	Plng. 2/88
I								
Iams Co.	Aurora, NE	Pet food	Exp.	–	17.2	39	–	Plng. 2/88
IBP	Madison, NE	Meat proc.	Exp.	–	20	150	–	Rpt. 8/88
Igene Bio Tech	New York	Whey powder	Renov.	20	–	–	Hixson	Plng.
Illinois Pork	Monmouth, IL	Pork proc.	New	200	5	375	–	Rep. 9/87
Industrial Cold Storage	Jacksonville, FL	FF dist.	Exp.	49	–	–	The Stellar Group	Comp. 5/88
Inland Coca-Cola	Boise, ID	Bev. dist.	New	51	1.8	–	–	Comp. 1/88
Iowa Ham Canning	Independence, IA	Hams	Exp.	30	–	20	–	Rpt. 9/88
J								
Jerome Foods	Fairibault, MN	Turkey proc.	Exp.	30	4.3	–	–	Plng. 8/88
John Cutbertson Winery	Riverside County, CA	Wine	New	–	–	–	–	Plng. 4/88
John B. Sanfilippo	Bainbridge, GA	Nuts	New	–	10	200	–	Const. 12/87
K								
Kaufman Baking	Hebron, OH	Buns	Renov.	51	1+	–	The Austin Co.	Comp. 5/88
K. B. Specialty Foods	Greensburg, IN	Deli, entrees	Exp.	1.6	–	–	Hixson	Comp. '87
Keebler	Mariemont, OH	Dist. center	Exp.	20	1.8	8	A. Epstein & Sons	Comp. 10/88
Keebler	Ft. Worth, TX	Snack foods	New	146	7.7	12	A. Epstein & Sons	Stup. 10/88
Keeson Partners	Lakeover, MS	Cookie dist.	New	26	0.5	20	–	Const. 4/88
Kellogg	Battle Creek, MI	Cereals	Exp.	–	–	–	Fluor Daniel	Continuing
Kellogg	Memphis, TN	Cereals	New	–	1.2 billion	–	–	Plng. 2/88
Kerry Foods	Jackson, WI	Dried ingred.	Exp.	25	5	–	Mead & Hunt	Comp. 7/88
Kohnan, Inc.	Napa, CA	Sake	New	–	6	–	–	Plng. 10/87
Kraft	Greeneville, TN	Cheese	Exp.	5	3	25	–	Const. 11/87
Kraft	N. Lawrence, NY	Dairy prod.	Exp.	20	–	–	Hixson	Comp. '88
Kroger	Solon, OH	Frzn. bakery	Renov.	26	–	–	Hixson	Comp. '88

NEW FOOD PLANTS

Company	Plant Location	Primary Product	Type Project	M Sq. Ft.	Est. Cost ($ millions)	Employees	Architects/ Engineers	Status & Date
L								
Lancer Corp.	San Antonio, TX	Bev. dist.	New	–	–	–	–	Plng. 12/87
Land 'O Lakes	Eau Claire, WI	Powdered milk	Exp.	–	5	60	–	Plng. 1/88
Lender's Bagel Bakery	Hartford, CT	Bagels	New	–	–	300	–	Plng. 1/88
Leprino Foods	King's County, CA	Proc. cheese	Exp.	–	–	–	–	Plng. 2/88
Leprino Foods	Kissimee, FL	Cheese dist.	Exp.	96	2	80	–	Rpt. 12/87
Leprino Foods	Poinciana, FL	Cheese	New	66	–	100	–	Plng. 12/87
Leprino Foods	Allendale, MI	Cheese	New	190	27	200	Mead & Hunt	Stup. Fall '89
Leprino Foods	Remus, MI	Mozz. cheese	Exp./Renov.	7.5	2	–	Mead & Hunt	Comp. Fall '89
LinPep	Lincoln, NE	Soft drinks	Exp.	–	3.7	33	–	Plng. 4/88
L. J. Minor	Celina, OH	Food bases	Exp.	–	–	–	–	Const. 8/88
Loma Linda Foods	Riverside, CA	Milk	Exp.	–	–	–	–	Plng. 2/88
Louis Rich	Tulare, CA	Turkey proc.	Exp.	274	40	700	–	Const. 11/87
Louis Rich	Sedalia, MO	Turkey proc.	New	–	100	1000	–	Rpt. 7/88



First *Knorr* brand soups, sauces and gravies plant in the U.S. was started up September 16 by CPC International at Asheboro, NC. 140,000 sq.-ft. plant was designed and built by Fluor-Daniel. (Photo: CPC International)

M								
Ma-Cor	Oklahoma City, OK	Spec. meats	New	66	–	35	–	Plng. 4/88
Maletis, Inc.	Portland, OR	Beer dist.	New	140	5	250	–	Plng. 5/88
Mama D'Angelo	Salt Lake, UT	Pizza	New	–	–	–	–	Const. 8/88
Mazza Cheese	Sumner, WA	Cheese	New	65	–	100	Hansen, Hansen & Johnson Niro Atomizer	Plgn. 7/87
McIlhenny Co.	Avery Island, LA	Pepper sauce	New/renov.	50	3	–	The Austin Co.	Sprg. '89
McKee Baking	Stuarts Draft, VA	Bakery prod.	New	–	–	–	Fluor Daniel	Rpt. 9/88
Mead Foods	Bryan, TX	Bakery prod.	New	50	–	50	–	Const. 12/87
Meadowland Cremery	Conroe, TX	Milk, orange juice	New	120	–	–	Hixson	Stup. '87
Medallion Foods	Newport, AR	Mexican foods	New	–	1.5	35	–	Plng. 2/88
Merchant's Dist.	Hickory, NC	Frzn. food dist.	New	100	4.7	–	St. Onge, Ruff	Comp. 5/88
Metz Baking	Omaha, NE	Bakery prod.	Exp.	–	17	100	–	Plng. 11/87
Mike-Sell's Indiana	Indianapolis, IN	Snack food	New	45	–	–	–	Plng. 4/88
Miller Brewing	Milwaukee, WI	Beer	Exp.	–	26	–	–	Comp. 8/88
Miller Brewing	Watertown, WI	Beer	New	–	6	–	–	Plng. 12/87
Milton Waldbaum	Wakefield, NE	Egg proc.	Exp.	–	–	120	–	Const. 12/87

NEW FOOD PLANTS

Company	Plant Location	Primary Product	Type Project	M Sq. Ft.	Est. Cost ($ millions)	Employees	Architects/ Engineers	Status & Date
Mississippi Pride	Itta Bena, MS	Catfish proc.	New	–	2.2	103	–	Rpt. 11/87
M & M Mars	Waco, TX	Candy	Exp.	–	1	–	–	Plng. 12/87
Mock's Landing	Portland, OR	Soft drink dist.	New	140	2	–	–	Rpt. 7/88
Montfort of Colorado	Greeley, CO	Lamb proc.	New	74	6.5	150	–	Plng. 8/88
Morley Candy Makers	Clinton, MI	Candy	Exp.	75	–	–	–	Plng. 4/88
Morning Glory Div. AMPI	Hillsboro, WI	Cheese	Exp.	4.5	0.5	–	Mead & Hunt	Comp. Smr. '88
Mrs. Smith's	Pottstown PA	Frzn. waffles	Exp.	–	3.5	–	–	Plng. 12/87
Mrs. Smith's	Rossville, TN	Frzn. waffles	New/	–	–	–	Process Systems, Inc.	Stup. 9/88
			Renov.	–	–	–	Webber/Smith Assoc. Fluor Daniel	Comp. Fall '88

N

Nabisco	Naperville, IL	Cereals	Exp.	–	30	–	Sverdrup	Comp. 3/88
Nabisco	Garner, NC	Cookies	New	1100	600	650	–	Plng. 8/88
National Sea Products	Portsmouth, NH	Seafood	Exp.	–	–	–	–	Plng. 12/87
Nestec	St. Joseph, MO	Pet food	New	150	8	95	–	Plng. 4/88
Nestle	Alameda Cty, CA	–	New	–	–	–	–	Plng. 4/88
Nestle	Granite City, IL	Tea	Exp.	20	5	–	–	Const. 12/87
Nestle	Milledgeville, GA	Candy	New	387	–	500	–	Plng. 8/88
Net-Fresh	Port Arthur, TX	Seafood proc.	New	–	3	60	–	Const. 12/87
New Process Feeds	Greeneville, MS	Catfish feed	New	–	2.4	50	–	Rpt. 11/87
Niagara Candy & Ice Cream	Cheektowaga, NY	Candy, ice cream	Exp.	58	0.9	36	–	Plng. 5/88
Nichieri Co. of America	Fife, WA	Seafood proc.	New	–	8.5	70	–	Rpt. 12/87
Nickles Bakery	Lima, OH	Bakery prod.	Exp.	–	6	30	–	Plng. 1/88
Northeast Foods	Spotsylvania, VA	Buns	New	–	–	80	–	Plng. 2/88
Northeast Okla. Beef	Tulsa, OK	Beef proc.	New	–	15	255	–	Plng. 1/88
Nu-West, Inc.	Pascagoula, MS	Catfish proc.	New	–	–	–	–	Rpt. 7/88

O

Ocean Spray	Babcock, WI	Fresh fruit	Exp.	–	–	–	Hixson	Comp. '87
Ocean Spray	Bordentown, NJ	Cranberry juice prod.	Exp./Renov.	–	5	–	Sverdrup	Comp. '88

New 120,000 sq.-ft. Carnation Co. fresh pasta plant started up last spring at Danville, VA. (Photo: Webber/Smith Associates.)

NEW FOOD PLANTS

Company	Plant Location	Primary Product	Type Project	M Sq. Ft.	Est. Cost ($ millions)	Employees	Architects/ Engineers	Status & Date
Ocean Spray	Kenosha, WI	Cranberry juice	Renov.	–	3	–	Sverdrup	Comp. '88
OCL Ind. Materials	Surrey, BC	Ingredients	Exp.	26	0.8	–	–	Const. 4/88
Ogilvie Mills	Keokuk, IA	Wheat starches	Exp.	–	–	–	Process Systems Inc.	Rpt. 8/88
Omaha Steaks Int'l	Omaha, NE	Pkgd. meats	Exp.	–	17.5	179	–	Plng. 11/87
Oxford Cheese	Oxford, NE	Cheese	Exp.	–	–	60	–	Const. 8/88
Oxnard Frozen Foods	Oxnard, CA	Frzn. foods	Exp.	–	–	–	–	Plng. 2/88
P								
Pennant South	Dalton, GA	Frzn. bakery mixes	New	–	2	25	–	Plng. 7/87
Pepsico	San Jonquin, CA	Dist. center	New	–	–	–	–	Plng. 5/88
Pepsi-Cola	Boone Cty., KY	Bev. dist.	New	91	–	–	–	Plng. 4/88
Pepsi-Cola	Cincinnati, OH	Bev. dist.	New	102	–	500	–	Plng. 5/88
Perdue Farms	Marson, NC	Feed blends	New	34	7	100	–	Stup. 11/87
Peterson Industries	Decatur, AR	Poultry feed	New/Exp.	–	5	8	Younglove	Comp. 11/88
Petit Jean Poultry	Buffalo, MO	Poultry	New	–	0.2	200	–	Stup. 11/87
Pilgrim's Pride	Mt. Pleasant, TX	Chicken proc.	Exp.	443	–	1800	–	Plng. 11/87
Pitman Farms	Madera Cty., CA	Proc. foods	Exp.	–	–	–	–	Plng. 2/88
Plantation Sysco	Ocoee, FL	Food dist.	New	205	–	–	H.J. High Const.	Comp. 11/87
Planters Life Savers	Holland, MI	Confections	Renov.	15	2	30	Lockwood Greene	Comp. 3/89
Planters Life Savers	Holland, MI	Confection dist.	Exp.	26	0.75	–	Lockwood Greene	Comp. 12/88
Planters Life Savers	Las Piedras, PR	Gum	Renov.	20	3	30	Lockwood Greene	Comp. 11/88
Power Packaging	Manteno, IL	Proc. food	New	110	3.7	10	A. Epstein & Sons	Stup. 8/87
Price Chopper Supermarkets	Colonie, NY	Frzn. food	Exp.	45	–	–	St. Onge, Ruff	Comp. 7/88
Procter & Gamble	Portsmouth, VA	Peanut butter	Exp.	17	4.5	15	–	Rpt. 8/88
Progressive Dist.	Winthrop, ME	Food dist.	New	225	–	170	St. Onge, Ruff	Comp. 6/89
Pure Food Co. (Herb Ox)	Wolcott, NY	Unreported	Exp.	–	–	65	–	Const. 5/88
PYA Monarch	Apopka, FL	Food dist.	Exp./renov.	2	–	–	H.J. High Const.	Comp. 8/88
Q								
Quaker Oats	Topeka, KS	Pet food	Exp.	6	8	30	–	Plng. 1/88
Quick Candy Co.	Marion, KY	Candy	New	–	2	200	–	Rpt. 7/88
Quik 'N' Tastee	Belyon, MO	Food dist.	New	–	8	208	–	Rpt. 7/88
R								
Rahr Malting Co.	Ogden, UT	Malt	New	–	30	20	–	Plng. 4/88
Ralston-Purina	Sharonville, OH	Cereals	Exp.	–	–	–	MK-Ferguson	Comp. 10/88
RCS-Smithfield	Smithfield, VA	Meat proc.	New	90	4	–	Patterson Ent.	Comp. 6/88
R.J. MacKoul	Worcester, MA	Food proc.	Exp.	50	2.5	–	St. Onge, Ruff	Stup. 5/89
Robert Gooch Enterprises	Enid, OK	Low-fat meats	New	140	8	400	–	Rpt. 9/87
Rocco Turkeys	St. Pauls, NC	Turkey proc.	New	–	15	300	–	Rpt. 12/87
Rocco Turkeys	Dayton, VA	Turkey proc.	New	72	–	–	Shillington Assoc.	Stup. 1/88
Rocco Farm Foods	Shenandoah, VA	Chicken proc.	New	–	–	1000	–	Plng. 11/87
Rosina Food Products	Cheektowaga, NY	Proc. meats	Exp.	7	1.4	25	–	Plng. 5/88

NEW FOOD PLANTS

Company	Plant Location	Primary Product	Type Project	M Sq. Ft.	Est. Cost ($ millions)	Employees	Architects/ Engineers	Status & Date
Rowe Manufacturing	Newbern, TN	Pork proc.	New	200	–	250	Carlson Assoc. The Facility Group	Stup. 10/88
Royal Dutch Products	Deland, FL	Cheese	Exp.	60	–	–	–	Plng. 8/88
Royal Gulf Tuna/ Swordfish	Terrebone Psh., LA	Fish proc.	New	–	4	–	–	Plng. 7/87
Ruiz Foods	Tulare, CA	Frzn. Mexican	Exp.	30	4	–	–	Comp. 11/87
Ryan Milk Co.	Murray, KY	Milk	Exp.	--	8.5	–	–	Plng. 5/88
			S					
Sal's Food Products	Lakeland, FL	Frzn. entrees	New	–	–	60	–	Plng. 5/88
Sandoz Nutrition	St. Louis Park, MN	Dietary foods	Exp.	14	1.6	–	Schipke Engineers	Comp. 4/88
San Luis Sourdough	San Luis Obispo, CA	Bread	Exp.	20	–	–	–	Plng. 5/88
Sanofi Bioingredients	Germantown, WI	Ingredients	Renov.	10	–	45	Heike Design Assoc.	Comp. 5/89
Sanofi Bioingredients	Waukesha, WI	Ingredients	Exp.	10	1	215	Heike Design Assoc.	Comp. 5/89
Sara Lee	Tarboro, NC	Bakery prod.	New	–	60	600	Fluor Daniel	Rpt. 9/88
Sara Lee	Winston-Salem, NC	Dist. center	New	–	–	–	–	Plng. 7/88
Seaboard Cold Stge.	Lakeland, FL	Citrus, meat dist.	Exp.	50	2.2	–	Patterson Ent.	Comp. 4/88
Seaboard Feeds	Chattanooga, TN	Feed	New	–	4	8	Younglove	Stup. 12/88

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NEW FOOD PLANTS

Company	Plant Location	Primary Product	Type Project	M Sq. Ft.	Est. Cost ($ millions)	Employees	Architects/ Engineers	Status & Date
Seaboard Tampa Terminals	Tampa, FL	Ref. dist.	New	430	–	–	The Stellar Group	Comp. 4/88
Seafood Cannery	Steinhatchee, FL	Crab proc.	New	–	0.2	60	–	Rpt. 8/88
Sebastiani Vineyards	San Joaquin, CA	Wine	Exp.	–	–	–	–	Plng. 2/88
Select Cheese Co.	Turlock, CA	Cheese	New	22	2	30	–	Plng. 8/88
Shearer's Foods	Brewster, OH	Potato chips	Exp.	18	1.2	–	–	Plng. 4/88
Shenandoah' s Pride Dairy	Harrisonburg, VA	Milk, UHT prod.	New	106	–	–	JAI Engineers	Stup. 10/88
Shining Ocean	Seattle, WA	Surimi	New	–	–	–	–	Rpt. 12/87
Sierra Nevada	Butte Cty., CA	Beer	Exp.	–	–	–	–	Plng. 2/88
Sierra Pacific	Stanislaus Cty., CA	Food dist.	New	–	–	–	–	Plng. 5/88
Sims Bros. Seafood	Delcambre, LA	Shrimp	Exp.	–	–	30	–	Rpt. 7/88
Sinskley Winery	Napa Cty., CA	Wine	New	–	–	–	–	Plng. 4/88
Sioux Honey Assn.	Sioux City, IA	Honey	Exp.	–	5	50	–	Comp. 12/87
Skalli Corp.	Napa Cty., CA	Wine	Exp.	–	–	–	–	Plng. 2/88
Smelkinson/Sysco	Jessup, MD	Foodservice dist.	New	240	16	410	St. Onge, Ruff	Comp. 12/88
SNG	Seattle, WA	Seafood proc.	New	–	–	–	–	Rpt. 12/87
Southeastern Spec. Foods	Ellisville, MS	Muscadine prod.	Exp.	–	3	70	–	Plng. 5/88
South Fresh Farms	Indianola, MS	Catfish proc.	New	–	1.6	55	–	Rpt. 11/87
Southwestern Premier	Anadarko, OK	Peanut butter	New	–	–	17	–	Plng. 8/88
Springdale Dairy	Springdale, OH	Frzn. novelties	Exp./Renov.	3	–	–	Hixson	Comp. '87
Spring Valley Cheese	Chili, WI	Cheese	New	60	–	–	–	Plng. 1/88
Staley Continental	Atlanta, GA	Foodservice dist.	New	215	15	–	–	Comp. '89

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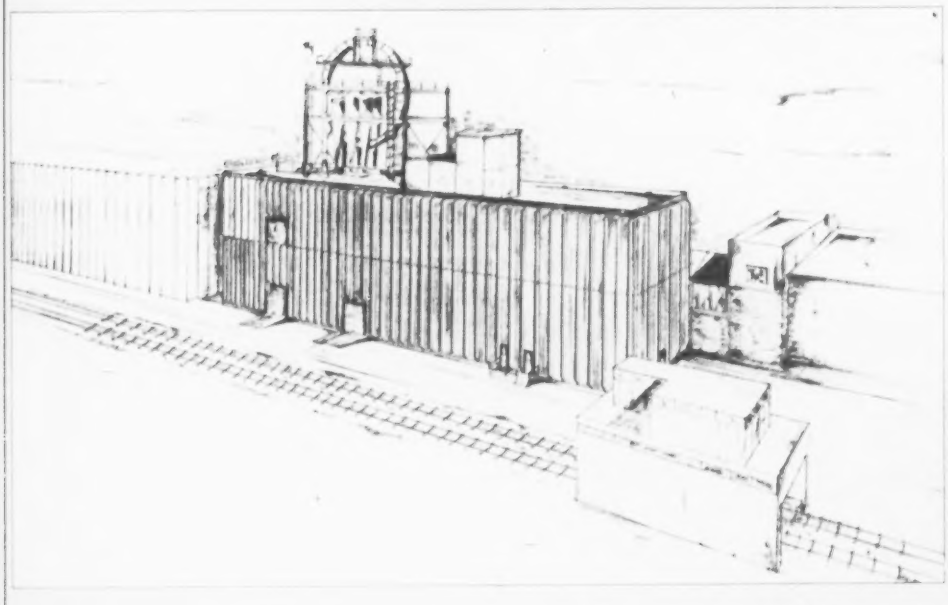
NEW FOOD PLANTS

Company	Plant Location	Primary Product	Type Project	M Sq. Ft.	Est. Cost ($ millions)	Employees	Architects/ Engineers	Status & Date
Staley Continental	Minneapolis, MN	Foodservice dist.	New	215	15	–	–	Comp. '89
Staley Continental	Mechanicsburg, PA	Foodservice dist.	New	104	10	–	–	Comp. '89
Star Markets	Norwood, MA	Food dist.	Exp.	123	6	–	St. Onge, Ruff	Comp. 10/88
Sterling Winery	Napa Cty., CA	Wine	New	–	–	–	–	Plng. 4/88
Stokely	DeForest, WI	Canned veg.	New	260	3	–	–	Const. 7/88
Stokely	Poynette, WI	Sauerkraut	New	68	–	56	–	Plng. 11/87
Stouffer's Foods	Springville, UT	Frzn. entrees	New	360	75	1200	Webber/Smith Assoc.	Stup. 11/87
Suiza Dairy	San Juan, PR	Milk, juice	Exp.	8	–	–	JAI Engineers	Comp. mid-'89
Sundor Brands	Chicopee, MA	Fruit juice	New	125	10	200	–	Plng. 4/88
Sunfield Foods	Sacramento, CA	Health foods	Exp.	52	–	25	–	Comp. 8/87
Super Valu Stores	New Stanton, PA	Frzn. food dist.	Exp.	23	1.8	–	Webber/Smith Assoc.	Comp. Smr. '88
Sweet Thanks Candy	Woods Cross, UT	Candy	Exp.	–		100	–	Const. 8/88
Swenson Bros.	Eugene, OR	Frzn. foods	Exp.	21	2	50	–	Const. 7/88
Swift-Eckrich	Huntsville, AR	Poultry proc.	Exp.	–	–	80	–	Plng. 2/88
Swift Independent	St. Joseph, MO	Ham boning	Exp.	–	10	135	–	Rpt. 8/88
Sysco/Gulf Atlantic	Jacksonville, FL	Food dist.	New	112	–	–	H.J. High Const.	Const. 9/88
Sysco/So. Florida	Miami, FL	Food dist.	New	75	–	–	H.J. High Const.	Const. 9/88
		T						
Taggares/Quaker Oats	Bassett, NE	Frzn. potato prod.	Exp.	–	50	200	–	Rpt. 8/88
Tarin Meat Co.	San Antonio, TX	Proc. meats	New	23	1.2	–	–	Plng. 12/87
Treasure Valley Foods	Columbia, MS	Frzn. veg.	New	–	5	200	–	Comp. 8/88
Tropicana	Bradenton, FL	Orange juice	Exp./Renov.	25	5	–	Sverdrup	Comp. '88
Tulsa Turkey Products	Tulsa, OK	Turkey proc.	New	56	–	100	–	Rpt. 11/87
Turkey Hill Dairy	Conestoga, PA	Milk, ice cream	Exp.	54	–	–	JAI Engineers	Comp. mid-'89
		U						
United Co-op	Bigelow, MN	Grain dist.	Exp.	–	–	–	Younglove	Comp. 11/88
United Refrig. Svcs.	Charlotte, NC	Food dist.	Exp.	30	1.3	–	Patterson Ent.	Comp. 10/88
United Refrig. Svcs.	Tarboro, NC	Bakery dist.	New	130	5	–	Patterson Ent.	Comp. 9/88
United States Cold Stge.	Lumberton, NC	Frzn. food dist.	New	117	–	–	The Stellar Grp.	Comp. 2/88
United States Cold Stge.	Nashville, TN	Frzn. food dist.	New	90	–	–	The Stellar Grp.	Comp. 5/88
United States Cold Stge.	Laredo, TX	Frzn. food dist.	Exp.	43	–	–	The Stellar Grp.	Comp. 1/89

The 80,000 sq.-ft. Golden State Foods distribution center at City of Industry, CA was recently renovated and 34,000 sq.-ft. added in a project completed in October 1987. (Photo: The Austin Co.)

NEW FOOD PLANTS



Artist's rendering of a $35 million expansion of American Maize-Products Co. expansion for specialty corn starches at Hammond, IN. Four-phase project will be completed late in 1993. (Photo: American Maize-Products)

Company	Plant Location	Primary Product	Type Project	M Sq. Ft.	Est. Cost ($ millions)	Employees	Architects/ Engineers	Status & Date
Universal Brands	Pompano Beach, FL	Beer dist.	New	110	–	–	The Stellar Group	Comp. 4/88
Universal Foods	Juneau, WI	Dried foods	Exp.	–	4	–	–	Plng. 8/88
V								
Valley Grain Products	Henderson, KY	Masa flavor	New	–	–	–	Younglove	Phase I mid-'89
Valley Redfish Farm	Harlingen, TX	Redfish hatch.	New	–	2.5	–	–	Plng. 12/87
Valley Rich Dairy	Roanoke, VA	Milk, dairy prod.	Exp./Renov.	4.2	–	–	Hixson	Comp. '87
Val Ltd.	Lincoln, NE	Italian foods	New	–	3	30	–	Plng. 4/88
Vicking Salmon Corp.	Rich Passage, WA	Seafood proc.	New	–	1	3	–	Rpt. 12/87
Villarizza Vineyards	Hutchinson, KS	Wine	New	–	1	20	–	Plng. 1/88
Virginia French Winery	Whittaker's Mill, VA	Wine	New	–	6.3	–	–	Plng. 11/87
Vogel Popcorn	Hamburg, IA	Popcorn	Exp.	–	23	100	–	Plng. 8/88
W								
Weis Markets	Milton, PA	Groc. dist.	Exp.	200	–	–	St. Onge, Ruff	Comp. 9/88
Well Pet	Santa Clara, CA	Pet food	New	–	–	–	–	Plng. 5/88
Wilson Foods	Oklahoma City, OK	Shortening	Exp.	–	–	75	Process Systems, Inc.	Comp. 1/89
Williamson Fiber	Louisville, KY	Oat fiber	New	–	–	–	–	Rpt. 8/88
Winters Candy	Manteno, IL	Candy	Exp.	25	–	100	–	Const. 8/88
Wise Foods	Spartanburg, SC	Food proc.	Exp.	7	0.5	–	The Facility Group	Rpt. 8/88
Wis-Pak, Inc.	Watertown, WI	Soft drinks	Renov.	–	–	–	MK-Ferguson	Comp. 10/88
Wyeth-Ayerst Labs	Michigan	Infant formula	Exp./Renov.	300	–	–	Hixson	Plng. 9/88
Y								
Yoplait, Inc.	Los Angeles, CA	Yogurt	Renov.	–	1+	–	The Austin Co.	Comp. Fall '88